

Title (en)

CODE DIVISION MULTIPLE ACCESS BASED CONTINGENCY TRANSMISSION

Title (de)

AUF CODE DIVISION MULTIPLE ACCESS BASIERENDE NOTFALLÜBERTRAGUNG

Title (fr)

ÉMISSION DE RÉSERVE BASÉE SUR UN ACCÈS MULTIPLE PAR RÉPARTITION EN CODE

Publication

EP 2368330 A2 20110928 (EN)

Application

EP 09756917 A 20091119

Priority

- US 2009065073 W 20091119
- US 27405508 A 20081119

Abstract (en)

[origin: US2010124164A1] Systems (100) and methods (500) for method for providing a redundant or distinct transmission feature to a communication system (100). The methods involve (508) detecting if there is a communication system fault. If a communication system fault is detected (508:YES), then (512) a plurality of modified transmit signals are generated by combining a transmit signal with a plurality of complex weights (W1, W2, W3). The modified transmit signals are then (514) transmitted from a plurality of antenna elements (106a, 106b, 106c) of the communication system to an object of interest (108). If a communication systems fault is detected (508:NO), then (526) a plurality of redundant or distinct transmit signals are generated by combining the transmit signal with a plurality of first orthogonal or approximately orthogonal numerical sequences. The redundant or distinct transmit signals can then be (528) synchronously transmitted from the antenna elements.

IPC 8 full level

H04B 7/06 (2006.01); **H04L 1/18** (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2010059780A2

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DOCDB simple family (publication)

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DOCDB simple family (application)

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